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9882-013

SHEET 1 OF 13

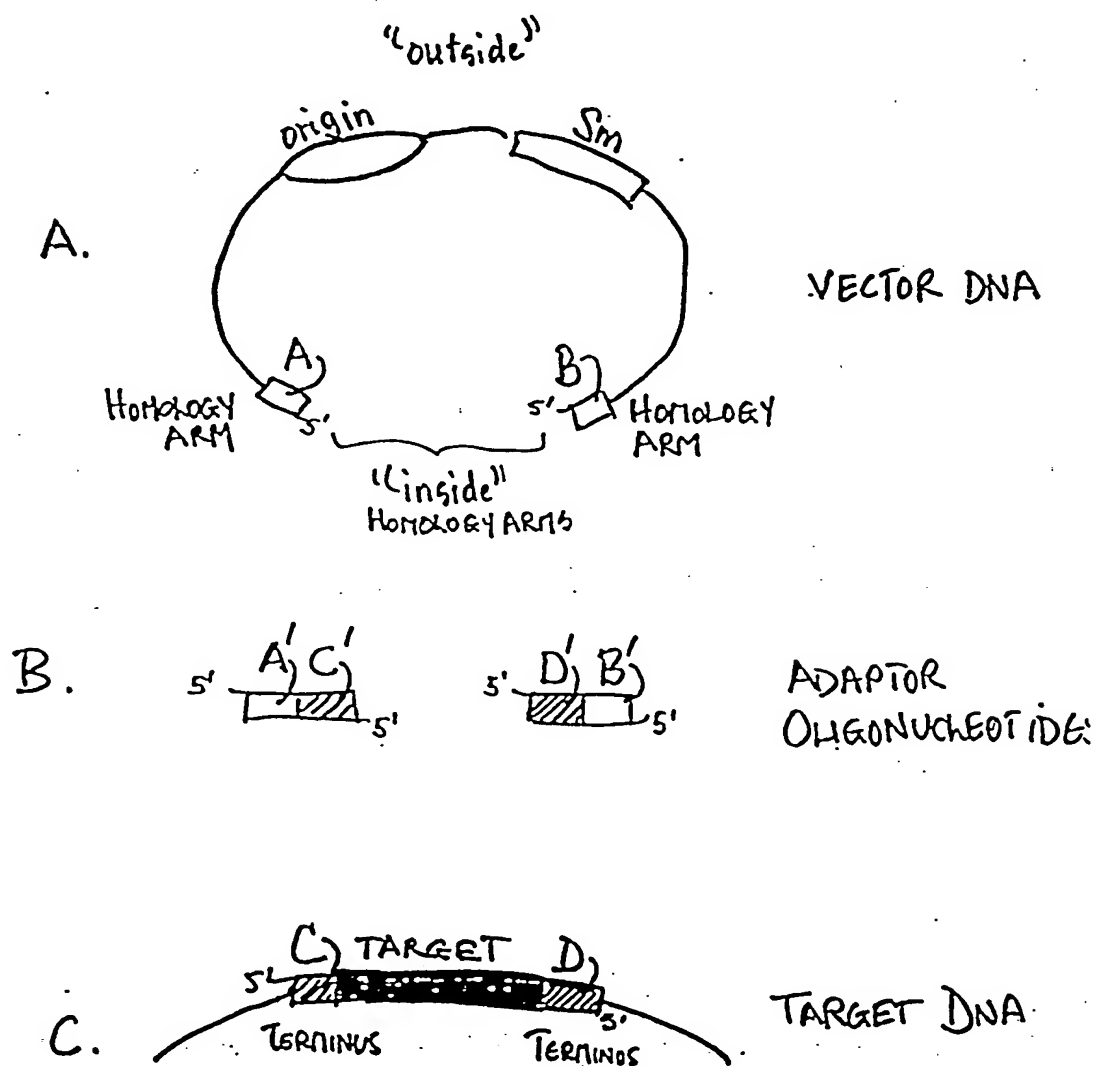


FIG. 1

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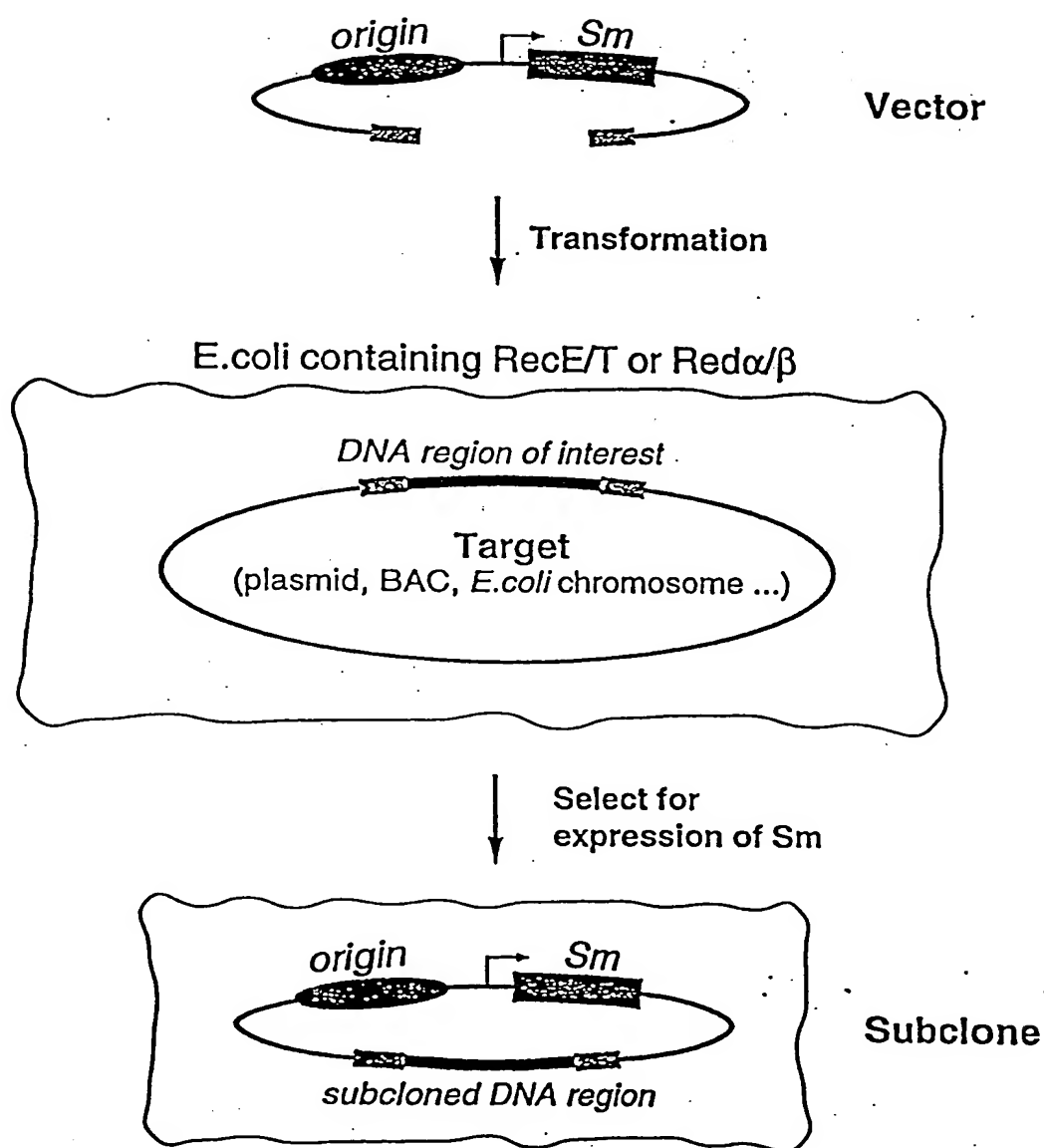


FIG. 2

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SHEET 3 OF 13

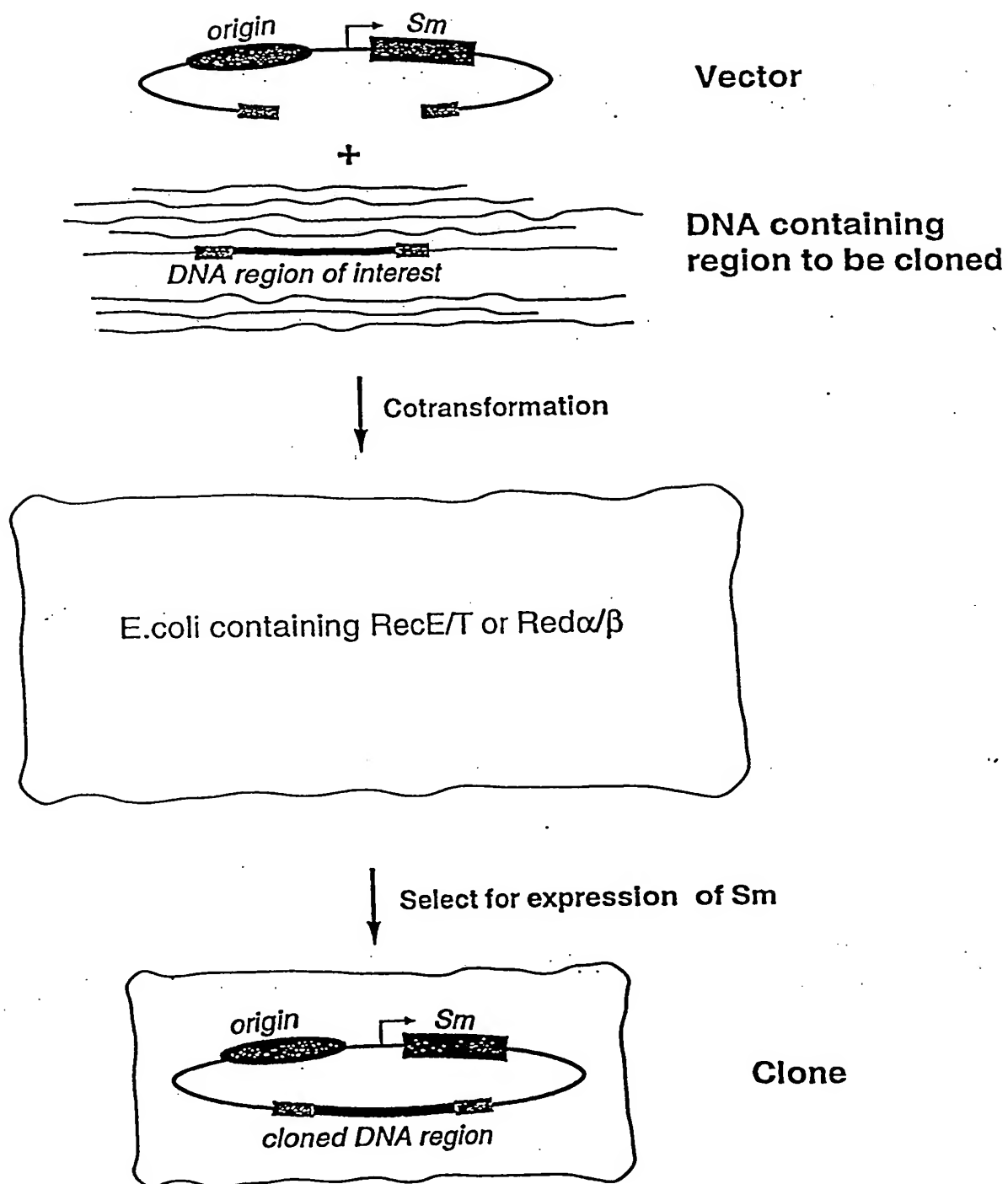


FIG. 3

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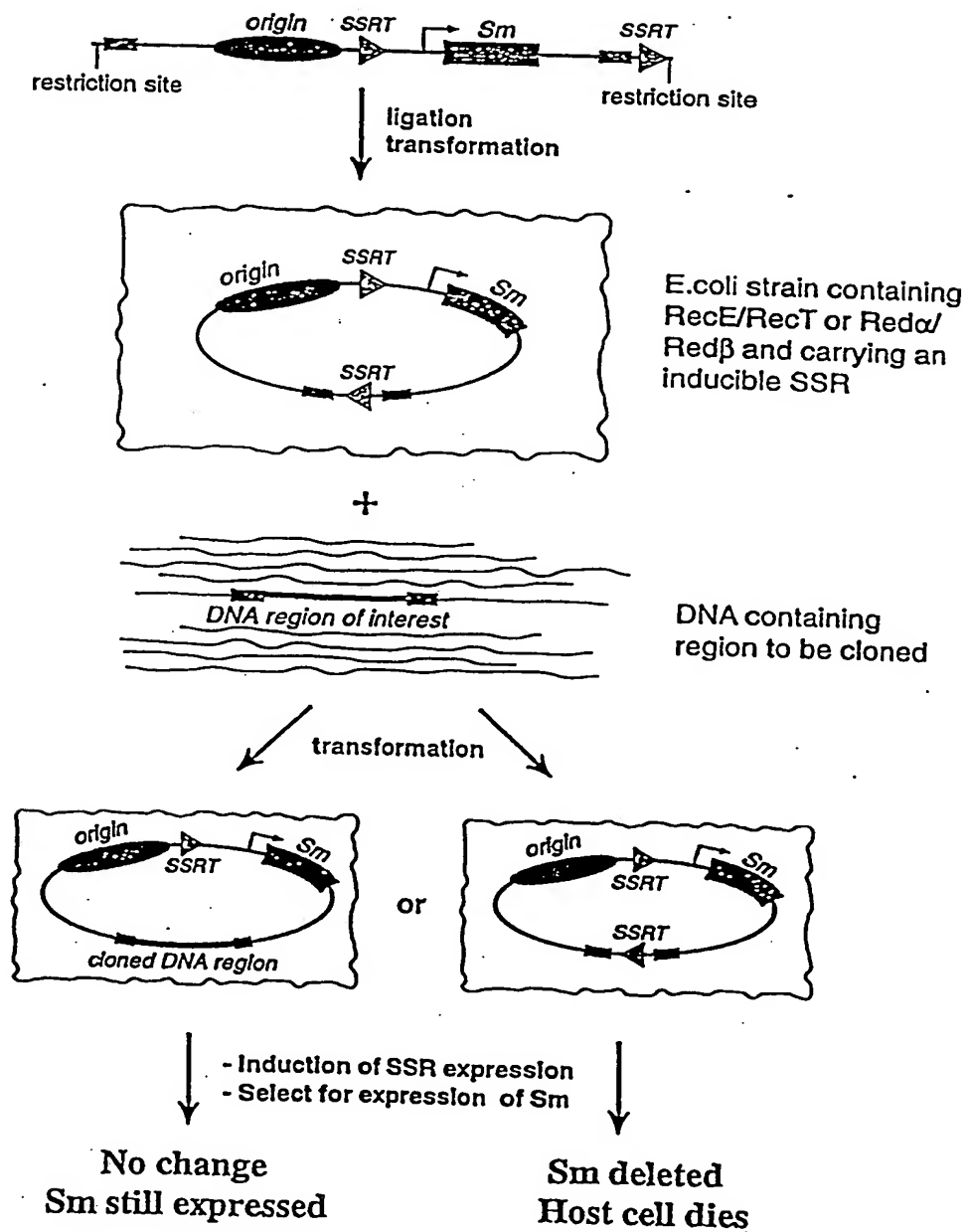


FIG. 4

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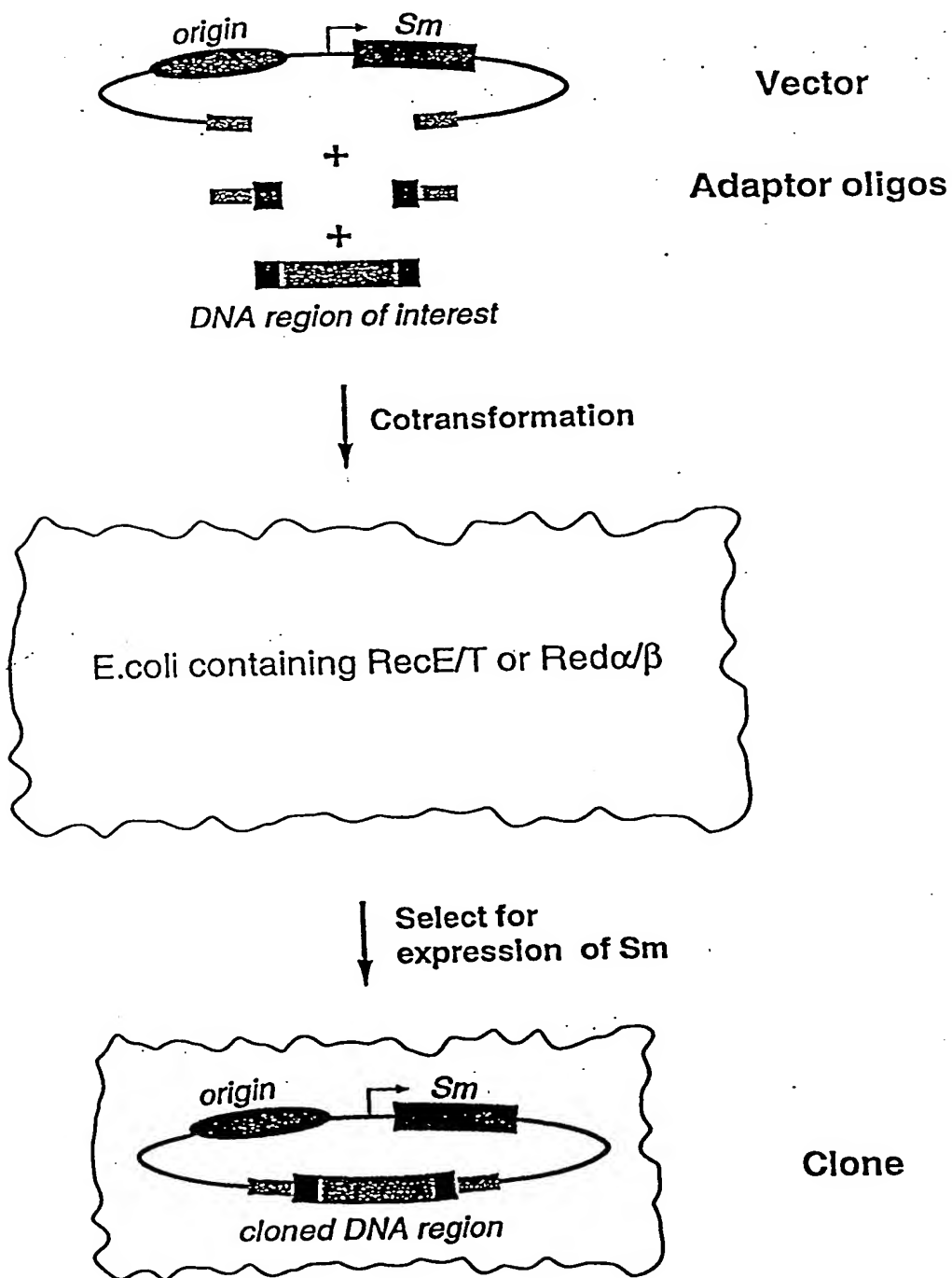


FIG. 5

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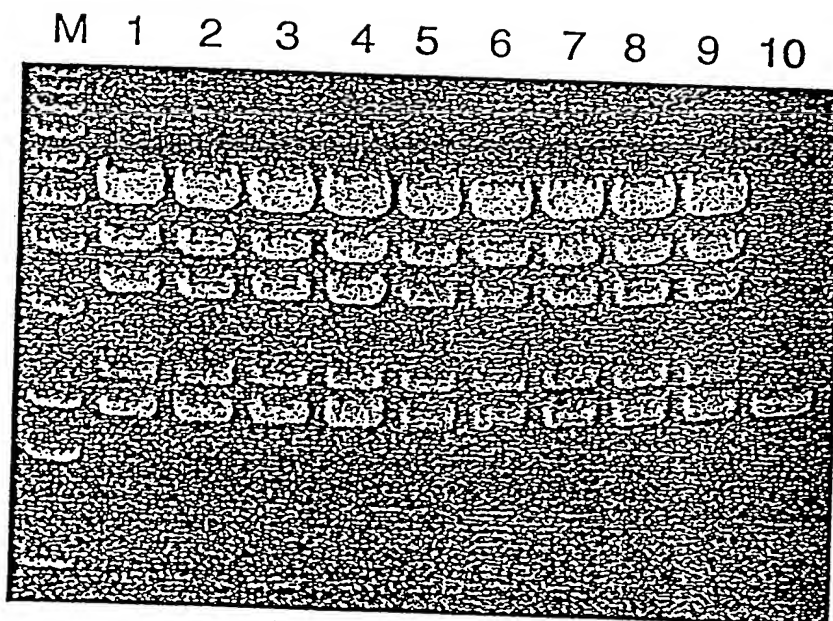


FIG. 6

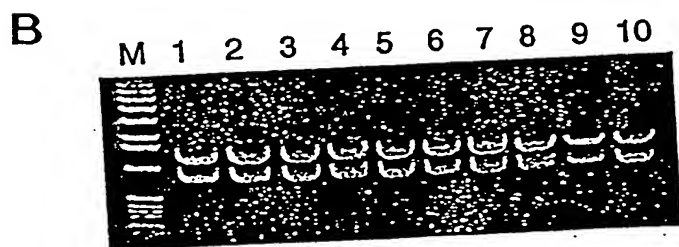
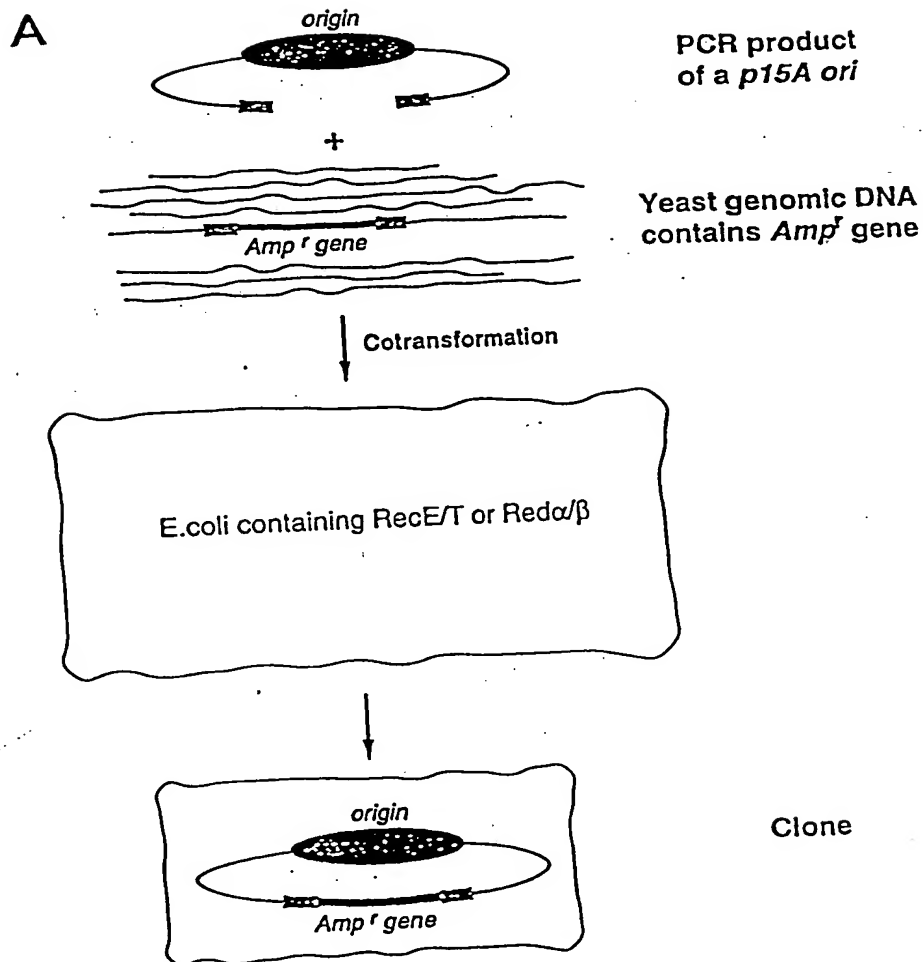
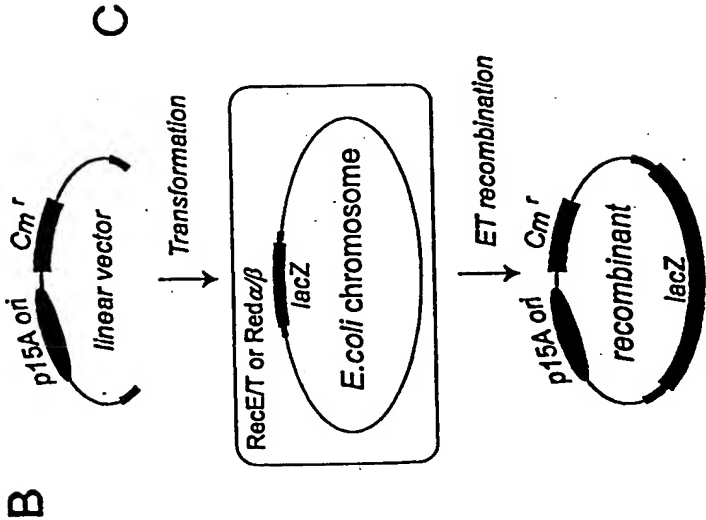


FIG. 7



A Effect of repeats and phosphorylation at the end of the linear vector

left: a, CGAAAGGGGATGTGCTGCAAGGCGGATTAAGTTGGGTAACGCCAGGGTTACAACCTTATATCGTATGGGG  
b, TGGCGAAAGGGGATGTGCTGCAAGGCGGATTAAGTTGGGTAACGCCAGGGTTACAACCTTATATCGTATGGGG  
c, GCTGGCGAAAGGGGATGTGCTGCAAGGCGGATTAAGTTGGGTAACGCCAGGGTTACAACCTTATATCGTATGGGG  
d, CAGCTGGCGAAAGGGGATGTGCTGCAAGGCGGATTAAGTTGGGTAACGCCAGGGTTACAACCTTATATCGTATGGGG  
e, CGCCAGCTGGCGAAAGGGGATGTGCTGCAAGGCGGATTAAGTTGGGTAACGCCAGGGTTACAACCTTATATCGTATGGGG  
right: x, GCCAGCTGGCGAGGTAGCAGAGCGGGTAAACTGGCTCGGATTAGGGCCGCAAGCTTACGCCCGCCCTGCCAC



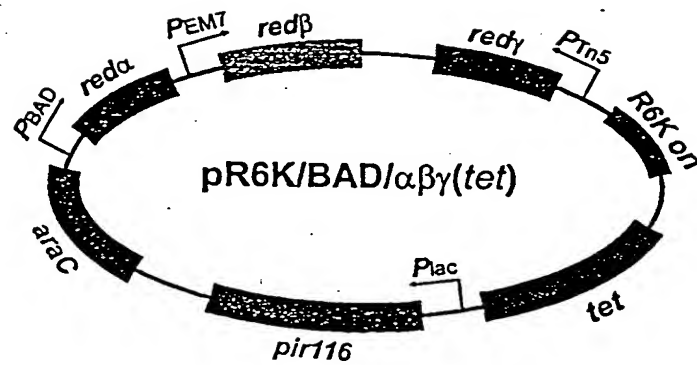
Combination of primers	x-a	x-b	x-c	x-d	x-e	phosphorylated x-a
Recombinants	548	562	827	2142	5780	542
Efficiency	100%	100%	67%	22%	5.6%	100%

FIG. 8

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A



B

## ET subcloning from AF4 BAC

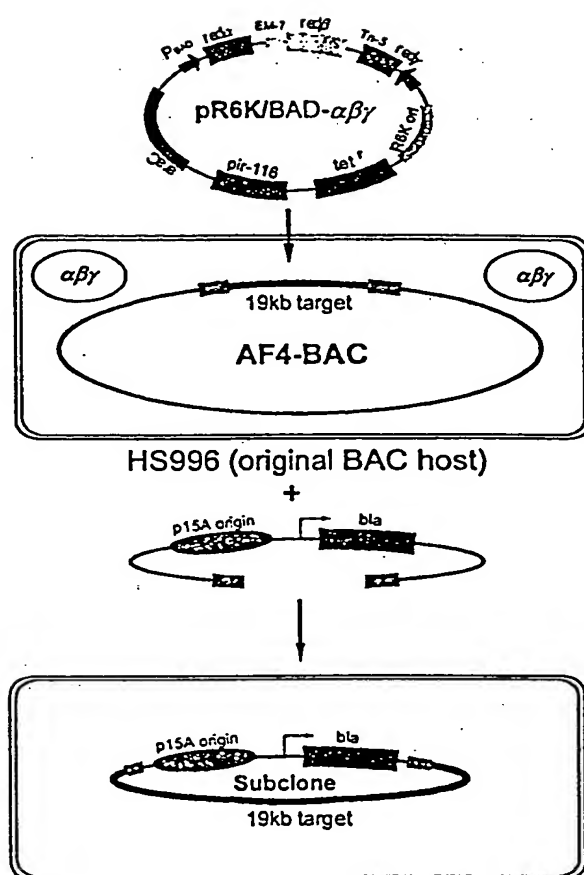
Construct	pBAD- $\alpha\beta\gamma$ /tet (ColE1 ori)		pR6K/BAD/ $\alpha\beta\gamma$	
Experiment	1	2	1	2
Recombinants	385	347	~1,200	~1,300

FIG. 9

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(SHEET 10 OF 13)

A



B

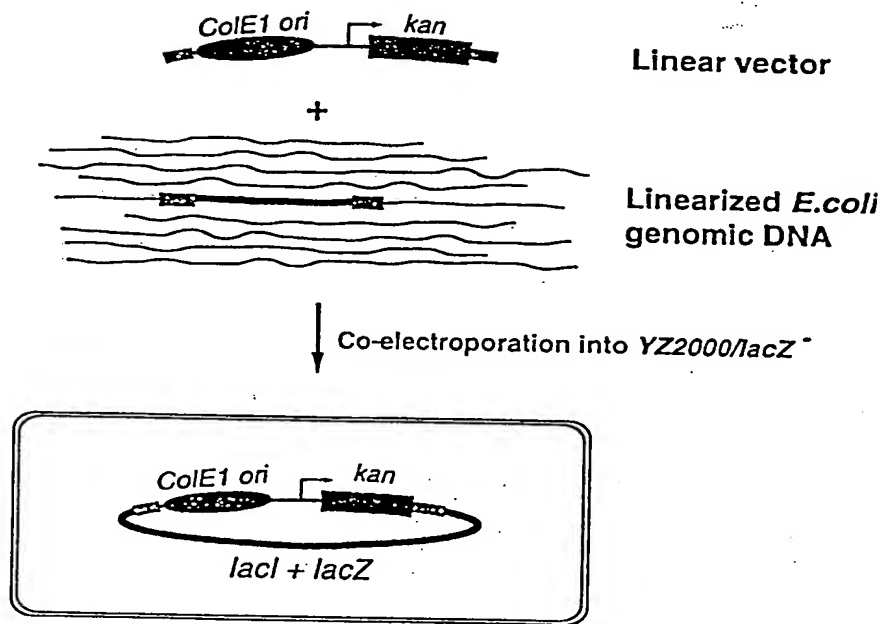


FIG. 10

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(SHEET 11 OF 13)

A



B

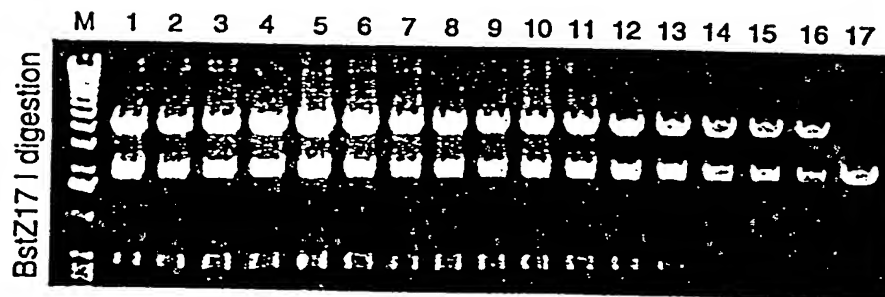
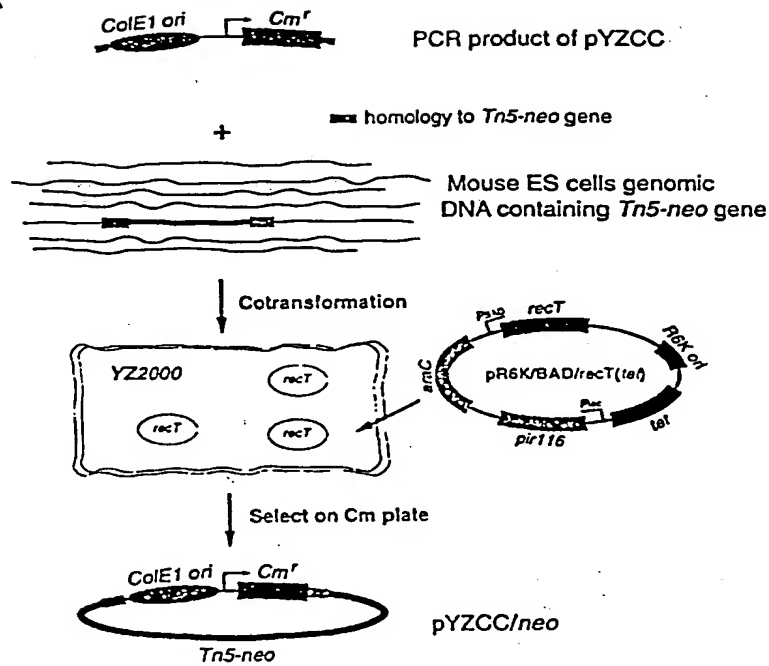


FIG. 11

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A



B

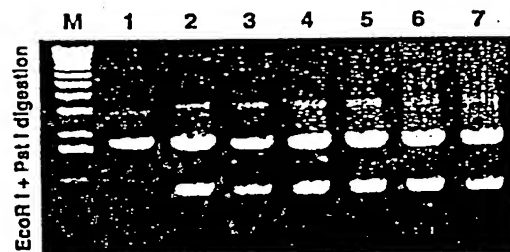


FIG. 12

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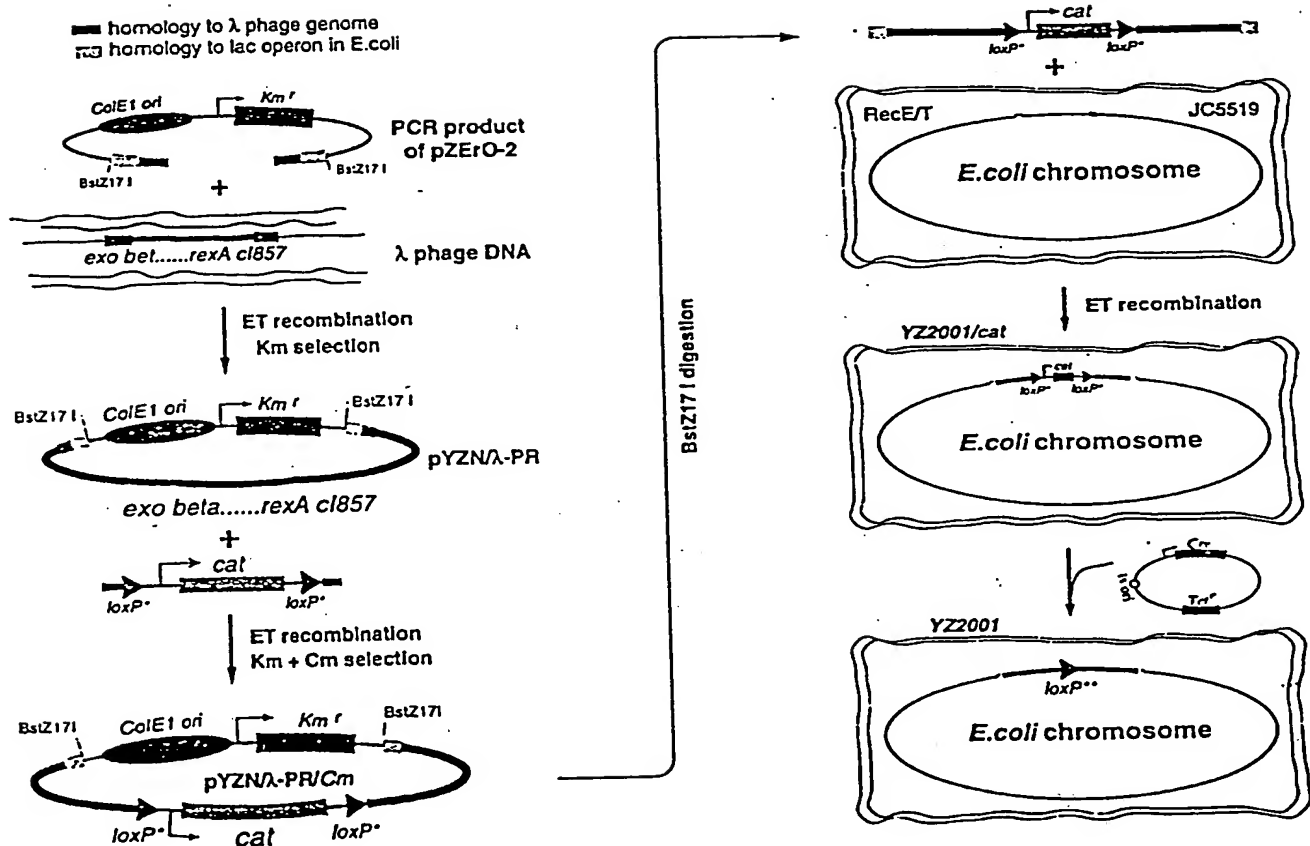


FIG. 13